

# Synthesis and properties of the molybdenum and tungsten disulfide thin films

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## Abstract

© Published under licence by IOP Publishing Ltd. In the paper results of thin film synthesis and primary characterization of molybdenum and tungsten disulfides are presented. The synthesis is performed by means of the high-temperature sulfurization of the metallic Mo and W films in the flow of argon. Chemical and phase compositions and morphology of thin films are reported. Optical transmission and Raman spectra are presented and discussed.

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